



SEQUENCE LISTING

<110> Wei, Ying-Fei et al.

B1 <120> Transforming Growth Factor Alpha HIII

<130> PF220P1

<140> 09/726,348

<141> 2000-12-01

<150> 08/778,545

<151> 1997-01-03

<150> 60/011,136

<151> 1996-01-04

<150> 60/168,387

<151> 1999-12-02

<160> 21

<170> PatentIn version 3.0

<210> 1

<211> 923

<212> DNA

<213> homo sapiens

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gctcctcgct ctgggcgtgg aaagggtctt ggcgctaccc gagatatgca cccaatgtcc 120  
agggagcgtg caaaatttgt caaaagtggc cttttattgt aaaacgacac gagagctaata 180  
gctgcatgcc cgttgctgcc tgaatcagaa gggcaccatc ttggggctgg atctccagaa 240  
ctgttctctg gaggaccctg gtccaaactt tcatcaggca cataccactg tcatcataga 300  
cctgcaagca aacccccctc aaggtgactt ggccaacacc ttccgtgggt ttactcagct 360  
ccagactctg atactgccac aacatgtcaa ctgtcctgga ggaattaatg cctggaatac 420  
tatcacctct tatatagaca accaaatctg tcaagggcaa aagaaccttt gcaataaacac 480  
tggggaccca gaaatgtgtc ctgagaatgg atcttgtgta cctgatggtc cagggtctttt 540  
gcagtgtgtt tgggctgatg gtttccatgg atacaagtgt atgcgccagg gctcgttctc 600  
actgcttatg ttcttcggga ttctgggagc caccactcta tccgtctcca ttctgctttg 660  
ggcgacccag cgccgaaaag ccaagacttc atgaactaca taggtcttac cattgacctt 720  
agatcaatct gaactatctt agcccagtca gggagctctg cttcctagaa aggcattctt 780  
cgccagtgga ttgcctcaa ggttgaggcc gccattggaa gatgaaaaat tgcactccct 840

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ttttaaaaaa aaaaaaaaaa aaa 923

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 -5 1 5

Glu Ile Cys Thr Gln Cys Pro Gly Ser Val Gln Asn Leu Ser Lys Val  
 10 15 20

Ala Phe Tyr Cys Lys Thr Thr Arg Glu Leu Met Leu His Ala Arg Cys  
 25 30 35

Cys Leu Asn Gln Lys Gly Thr Ile Leu Gly Leu Asp Leu Gln Asn Cys  
 40 45 50 55

Ser Leu Glu Asp Pro Gly Pro Asn Phe His Gln Ala His Thr Thr Val  
 60 65 70

Ile Ile Asp Leu Gln Ala Asn Pro Leu Lys Gly Asp Leu Ala Asn Thr  
 75 80 85

Phe Arg Gly Phe Thr Gln Leu Gln Thr Leu Ile Leu Pro Gln His Val  
 90 95 100

Asn Cys Pro Gly Gly Ile Asn Ala Trp Asn Thr Ile Thr Ser Tyr Ile  
 105 110 115

Asp Asn Gln Ile Cys Gln Gly Gln Lys Asn Leu Cys Asn Asn Thr Gly  
 120 125 130 135

Asp Pro Glu Met Cys Pro Glu Asn Gly Ser Cys Val Pro Asp Gly Pro  
 140 145 150

Gly Leu Leu Gln Cys Val Cys Ala Asp Gly Phe His Gly Tyr Lys Cys  
 155 160 165

Met Arg Gln Gly Ser Phe Ser Leu Leu Met Phe Phe Gly Ile Leu Gly  
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Lys Ala Lys Thr Ser  
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<210> 3

<211> 52  
 <212> PRT  
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Cys Ala Asp Gly Phe His Gly Tyr Lys Cys Met Arg Gln Gly Ser Phe  
 35 40 45

Ser Leu Leu Met  
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<210> 4  
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 tctcccgga tcttgaggtc acatgcgtgg tggtaggacgt aagccacgaa gacctgagg 180  
 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240  
 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300  
 ggctgaatgg caaggagtac aagtgcagg tctccaacaa agccctccca acccccatcg 360  
 agaaaacat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420  
 catcccgga tgagctgacc aagaaccagg tcagcctgac ctgcctgggc aaaggtttct 480  
 atccaagcga catgcctgtg gagggggaga gcaatgggca gccggagAAC aactacaaga 540  
 ccacgcctcc cgtgctggac tccgacggct ccttcttctct ctacagcaag ctcaccgtgg 600  
 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggtctctg 660  
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 gactctagag gat 733

<210> 5  
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 <212> PRT  
 <213> WSXWS motif

<220>  
 <221> SITE

<222> (3)..(3)  
 <223> Xaa equals any amino acid

<400> 5

Trp Ser Xaa Trp Ser  
 1 5

<210> 6  
 <211> 86  
 <212> DNA  
 <213> oligonucleotide

<220>  
 <221> protein\_bind  
 <222> (1)..(86)  
 <223> 5' primer containing 18bp complementary to SV40 promotor and  
 an XhoI site

<400> 6  
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 cccgaaatat ctgccatctc aattag 86

<210> 7  
 <211> 27  
 <212> DNA  
 <213> oligonucleotide

<220>  
 <221> protein\_bind  
 <222> (1)..(27)  
 <223> 3' primer containing sequence complementary to SV40  
 promotor and a HindIII site

<400> 7  
 gcggcaagct ttttgcaaag cctaggc 27

<210> 8  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 8  
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 aaatatctgc catctcaatt agtcagcaac catagtcccc cccctaactc cgcccatccc 120  
 gccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180  
 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240  
 ttttggaggc ctaggctttt gcaaaaagct t 271

<210> 9  
 <211> 32  
 <212> DNA  
 <213> oligonucleotide

<220>  
 <221> primer\_bind  
 <222> (1)..(32)  
 <223> 5' PCR primer

<400> 9  
 gcgctcgagg gatgacagcg atagaacccc gg

32

<210> 10  
 <211> 31  
 <212> DNA  
 <213> oligonucleotide

<220>  
 <221> primer\_bind  
 <222> (1)..(31)  
 <223> 3' PCR primer

<400> 10  
 gcgaagcttc gcgactcccc ggatccgcct c

31

<210> 11  
 <211> 12  
 <212> DNA  
 <213> oligonucleotide

<220>  
 <221> primer\_bind  
 <222> (1)..(12)  
 <223> NF-KB repeat in upstream primer

<400> 11  
 ggggactttc cc

12

<210> 12  
 <211> 73  
 <212> DNA  
 <213> oligonucleotide

<220>  
 <221> primer\_bind  
 <222> (1)..(73)  
 <223> 5' primer containing the NF-KB binding site, 18bp  
 complementary to SV40 promotor, and an XhoI site

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 ccattctcaat tag 73

<210> 13  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens

<400> 13  
 ctcgagggga ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct 60  
 caattagtcg gcaaccatag tcccggccct aactccgccc atcccggccc taactccgcc 120  
 cagttccgcc cattctccgc cccatggctg actaattttt ttattttatg cagaggccga 180  
 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240  
 cttttgcaaa aagctt 256

<210> 14  
 <211> 27  
 <212> DNA  
 <213> oligonucleotide

<220>  
 <221> primer\_bind  
 <222> (1)..(27)  
 <223> 5' primer containing a BamHI site and 18nt of TGF alpha HIII

<400> 14  
 cgcggtatccg ggcaaaagaa cttttgc 27

<210> 15  
 <211> 30  
 <212> DNA  
 <213> oligonucleotide

<220>  
 <221> primer\_bind  
 <222> (1)..(30)  
 <223> 3' primer containing an XbaI site and 21 nt of TGF alpha HIII

<400> 15  
 gcgtctagac taaagcagtg agaacgagcc 30

<210> 16  
 <211> 34  
 <212> DNA  
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<220>  
 <221> primer\_bind  
 <222> (1)..(34)  
 <223> 5' primer containing a BamHI site

<400> 16  
 cgcggatccg tccatcatgg cgcctcacgg cccg

34

<210> 17  
 <211> 33  
 <212> DNA  
 <213> oligonucleotide

<220>  
 <221> primer\_bind  
 <222> (1)..(33)  
 <223> 3' primer containing an XbaI site

<400> 17  
 gcgtctagac tacataagca gtgacaacga gcc

33

<210> 18  
 <211> 28  
 <212> DNA  
 <213> oligonucleotide

<220>  
 <221> primer\_bind  
 <222> (1)..(28)  
 <223> 5' primer containing a BamHI site

<400> 18  
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28

<210> 19  
 <211> 33  
 <212> DNA  
 <213> oligonucleotide

<220>  
 <221> primer\_bind  
 <222> (1)..(33)  
 <223> 3' primer containing an XbaI site

<400> 19  
 gcgtctagac tacataagca gtgagaacga gcc

33

<210> 20  
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Cont  
B1  
<212> DNA  
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<221> primer\_bind  
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Cont  
C1  
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34

<210> 21  
<211> 30  
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<220>  
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<222> (1)..(30)  
<223> 3' primer containing an XhoI site and 21 nt of TGF alpha HIII

<400> 21  
gcgctcagac ataagcagtg agaacgagcc

30





Docket No.: PF220P1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Wei, Ying-Fei

Application No.: 09/726,348

Group Art Unit: 1647

Filed: December 1, 2000

Examiner: Spector, L.

For: Transforming Growth Factor Alpha HIII

**STATEMENT UNDER 37 C.F.R. §§1.821 and 1.825**

Assistant Commissioner For Patents  
Washington, D.C. 20231

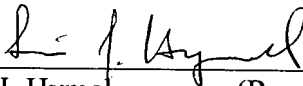
Sir:

Applicants hereby certify under 37 C.F.R. §§1.821(f) and 1.825(b) that the contents of the paper and computer-readable forms of the Substitute Sequence Listing submitted herewith, are the same.

Moreover, applicants hereby certify under 37 C.F.R. §§1.821(g) and 1.825(a) that the Substitute Sequence Listing contains no new matter.

Respectfully submitted,

Dated: 16 August 2002

  
\_\_\_\_\_  
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